

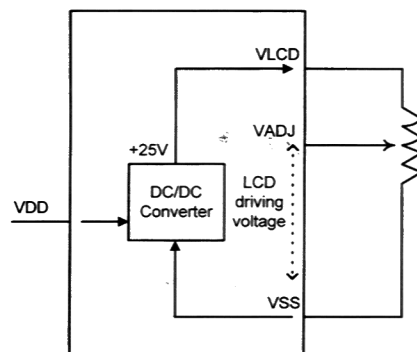
- **160x160 dots 1/160 Duty**

FEATURE

- 1.Construction : FSTN LCD, TAB IC and PCB.
- 2.Option : EL backlight, EL driver, Touch Panel,T/P controller.
- 3.Built-in Controller / Pure Driver
- 4.5V or 3.3V single power input. Built-in DC/DC converter for LCD driving.
- 5.Normal / Extended temperature type.

ELECTRICAL CHARACTERISTICS

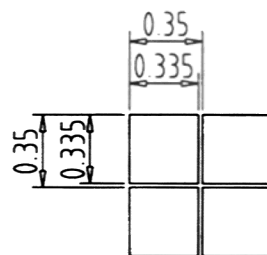
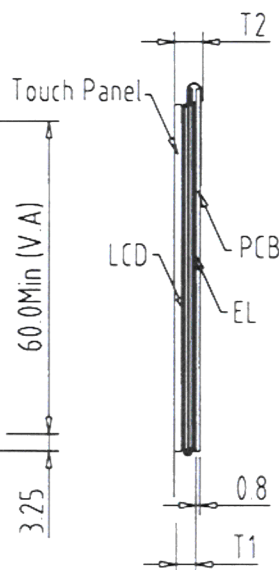
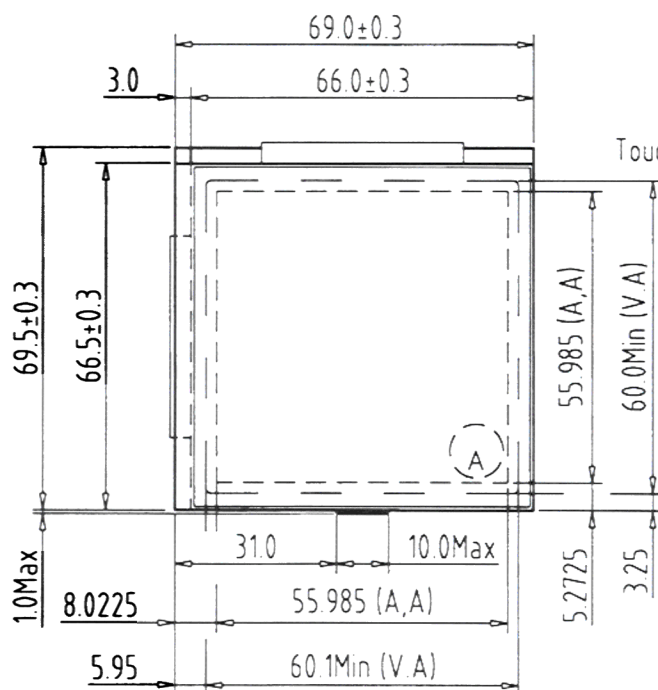
Parameter	Symbol	Condition	Typ. Value	Unit
LCD Driving Voltage	VADJ-VSS	25°C	19.0	V
Supply Current (Controller)	IDD	VDD=5V	40	mA
Supply Current (Driver)	IDD	VDD=5V	20	mA



BUILT-IN CONTROLLER

1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10
/REST	/RD	/WR	/CS	A0	DB0	DB1	DB2	DB3	DB4	DB5	DB6	D0	D1	D2	D3	/DISPOFF	FLM	NC	LP	CP	VDD
13	14	15	16	17	18	19	20	21	22	23	24	11	12	13	14	15	16	17	18	19	20
DB7	VDD	VSS	VLCD	VADJ	EL_ON	X1	X2	Y1	Y2	NC	NC	VSS	VLCD	VADJ	EL_ON	X1	X2	Y1	Y2	NC	NC

PURE DRIVER



A BLOCK

THICKNESS:

VERSION	T1	T2
NO BACKLIGHT	1.9 ± 0.3	6.0Max
EL BACKLIGHT	2.5 ± 0.3	6.6Max
Touch Panel	3.8 ± 0.3	8.0Max